



PTO/SB/08A (10-01)


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Substitute for form 1449A/PTO		Complete if Known			
		Application Number	10/070.093		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	02/27/2002		
		First Named Inventor	P. York et al.		
		Art Unit			
		Examiner Name	Unassigned		
Sheet	1	of	6	Attorney Docket Number	0113.00

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
JS	AA	US- 4.328.107		05/04/1982	Wright	
	AB	US- 4.361.285		11/30/1982	Koppehele et al.	
	AC	US- 4.582.731		04/15/1986	Smith	
	AD	US- 4.702.799		10/27/1987	Tuot	
	AE	US- 4.737.384		04/12/1988	Murthy et al.	
	AF	US- 4.919.853		04/24/1990	Alvarez et al. .	
	AG	US- 4.923.720		05/08/1990	Lee et al.	
	AH	US- 4.970.093		11/13/1990	Sievers et al.	
	AI	US- 4.977.785		12/18/1990	Willoughby et al.	
	AJ	US- 5.009.367		04/23/1991	Nielsen	
	AK	US- 5.043.280		08/27/1991	Fischer et al.	
	AL	US- 5.106.659		04/21/1992	Hastings et al.	
	AM	US- 5.221.731		06/22/1993	Weymans et al.	
	AN	US- 5.229.486		07/20/1993	Paul et al.	
	AO	US- 5.437.798		08/01/1995	LaRoche et al.	
	AP	US- 5.548.004		08/20/1996	Mandel et al.	
	AQ	US- 5.554.382		09/10/1996	Castor	
	AR	US- 5.639.441		06/17/1997	Sievers et al.	
JS	AS	US- 5.707.634		01/13/1998	Schmitt	
	AT	US- 5.708.039		01/13/1998	Daly et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. 1	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Country Code 3	-Number 4 -Kind Code 5 (if known)				
	AX	DE	4041563	06/25/1992	Schwarz Pharma AG		
	AY	DE	1078283	03/24/1960	F. Aktiengesellschaft		
	AZ	EP	0322687	05/05/1993	W. Fischer		
	BA	EP	0542314	05/19/1993	P. Debenedetti		
	BB	JP	1-176437	07/12/1989	T. Tauchi		
	BC	JP	5-57166	03/09/1993	K. Kitagawa		
	BD	WO	90/11139	10/04/1990	K. Nielsen		
	BE	WO	90/03782	04/19/1990	W. Schmitt		
	CP	GB	2322326	08/26/1998	Bradford Particle		
	CO	WO	95/21688	08/17/1995	W. Eckhard et al.		

Examiner Signature	JAMES M. SPEAR	Date Considered	08-10-05
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Application Number	10/070.093
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	02/27/2002
		First Named Inventor	P. York et al.
(use as many sheets as necessary)		Group Art Unit	
		Examiner Name	Unassigned
Sheet	3	of	6
		Attorney Docket Number	0113.00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JF	BF	DEBENEDETTI ET AL., "Application of Supercritical Fluids for the Production of Sustained Delivery Devices," J. Cont. Rel. No. 24, p. 27-44 (1993).	
	BG	DIXON ET AL., "Polymeric Materials Formed by Precipitation with a Compressed Fluid Antisolvent," AIChE J., Vol. 39 (No. 1), p. 127-139 (1993).	
	BH	TOM ET AL., "Applications of Supercritical Fluids in the Controlled Release of Drugs," ACS Symposium Series, Supercritical Fluid Engineering Science Fundamentals and Applications, Chpt. 19, p. 238-257 (1993).	
	BI	LARSON ET AL., "Evaluation of Supercritical Fluid Extraction in the Pharmaceutical Industry," Biotech. Progress, Vol. 2 (No. 2), p. 73-82 (1986).	
	BJ	Ullmans Encyclopedia of Industrial Chemistry, Vol. B2, Fifth Ed., title page, copyright page, and p. 7-21 and 7-22 (1988).	
	BK	TOM ET AL., "Particle Formation with Supercritical Fluids - A Review," J. Aerosol Sci., 1st Ed. Vol. 22 (No. 5), p. 555-584 (1981).	
	BL	DEBENEDETTI ET AL., "Rapid Expansion of Supercritical Solutions (RESS): Fundamentals and Applications," Fluid Phase Equilibria, Vol. 82, p. 311-321 (1993).	
	BM	GALLAGHER ET AL., "Gas AntiSolvent Recrystallization: New Process to Recrystallize Compounds Insoluble in Supercritical Fluids," ACS Symp. Ser No. 406, p. 334-354 (1989).	
	BN	LAHIERE ET AL., "Mass-Transfer Efficiencies of Column Contactors in Supercritical Extraction Service," Ind. Eng. Chem. Res. No. 26, p. 2086-2092 (1987).	
	BO	STAHL ET AL., "Dense Gas Extraction on a Laboratory Scale: A Survey of Some Recent Results," Fluid Phase Equilibria, No. 10, p. 269-278 (1983).	
JF	BP	DILL ET AL., "Denatured States of Proteins," Annu. Rev. Biochem, No. 60, p. 795-825 (1991).	

Examiner Signature	JAMES M. Spear	Date Considered	08-10-05
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PTO/SB/088 (10-01)
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		First Named Inventor	P. York et al.
		Group Art Unit	
		Examiner Name	Unassigned
		Attorney Docket Number	0113.00

Sheet	4	of	6
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JS	BQ	O'CALLAGHAN ET AL., "Novel Method for Detection of (B)-Lactamases by Using a Chromogenic Cephalosporin Substrate." Antimicrobial Agents and Chemotherapy, Vol. 1 (No. 4), p. 283-288 (1972).	
↑	BR	JUNG ET AL., "Particle Design Using Supercritical Fluids: Literature and Patent Survey." J. of Supercritical Fluids, Vol. 20, p. 179-219 (2001).	
	BS	BLEICH ET AL., "Aerosol Solvent Extraction System - A New Microparticle Production Technique." International J. of Pharmaceutics, Vol. 97, p. 111-117 (1993).	
	BT	CHANG ET AL., "Separation of B-Carotene Mixtures Precipitated from Liquid Solvents with High-Pressure CO ₂ ." Biotechnol. Prog., No. 7, p. 275-278 (1991).	
	BU	GALLAGHER ET AL., "Gas Anti-Solvent Recrystallization of RDX: Formation of Ultra-fine Particles of a Difficult-to-Comminute Explosive." The J. of Supercritical Fluids, No. 5, p. 130-142 (1992).	
	BV	MATSON ET AL., "Production of Powders and Films by the Rapid Expansion of Supercritical Solutions." J. of Materials Science, No. 22, p. 1919-1928 (1987).	
	BW	MOHAMED ET AL., "Solids Formation After the Expansion of Supercritical Mixtures," Supercritical Fluid Science and Technology, Chapter 23, American Chemical Society, p. 355-378 (1989).	
	BX	BARJ ET AL., "Submicronic MgAl ₂ O ₄ Powder Synthesis in Supercritical Ethanol." J. of Materials Sci., No. 27, p. 2187-2192 (1992).	
	BY	CHHOR ET AL., "Synthesis of Submicron TiO ₂ Powders in Vapor, Liquid and Supercritical Phases, a Comparative Study." Materials Chemistry and Physics, Vol. 32, p. 249-254 (1992).	
↓	BZ	FRANCIS, "Ternary Systems of Liquid Carbon Dioxide," J. of Physical Chemistry, Vol. 58, p. 1099-1114 (1954).	
JS	CA	YEO ET AL., "Formation of Microparticulate Protein Powders Using a Supercritical Fluid Antisolvent." Biotechnology and Bioengineering, Vol. 41, p. 341-346 (1993).	

Examiner Signature	James M. Spear	Date Considered	08-10-05
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(use as many sheets as necessary)		Group Art Unit	
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Sheet	5	of	6
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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JS ↑ ↓ JS	CB	RANDOLPH ET AL., "Sub-Micrometer-Sized Biodegradable Particles of Poly (L-Lactic Acid) via the Gas Antisolvent Spray Precipitation Process," Biotechnol. Prog. Vol. 9, No. 4, p. 429-435 (1993).	
	CC	DEBENEDETTI ET AL., "Supercritical Fluids : A New Medium for the Formation of Particles of Biomedical Interest," Proceed. Intern. Symp. Control Rel. Bioact. Mater., 20, p. 141-142 (1993).	
	CD	DONSI ET AL., "Micronization by Means of Supercritical Fluids: Possibility of Application to Pharmaceutical Field," Pharm. ACTA HELV. 66, Nr. 5-6, p. 170-173 (1991).	
	CE	CYGNAROWICZ ET AL., "Design and Control of a Process to Extract B-Carotene with Supercritical Carbon Dioxide," Biotechnol. Prog. Vol. 6, p. 82-91 (1990).	
	CF	CHEN ET AL., "Supercritical Antisolvent Fractionation of Polyethylene Simulated with Multistage Algorithm and SAFTEquation of State: Staging Leads to High Selectivity Enhancements for Light Fractions," Ind. Eng. Chem. Res., Vol. 33, p. 306-310 (1994).	
	CG	LOTH ET AL., "Properties and Dissolution of Drugs Micronized by Crystallization from Supercritical Gases," International J. of Pharmaceuticals, Vol. 32, p. 265-267 (1986).	
	CH	BODMEIER ET AL., "Polymeric Microspheres Prepared by Spraying Into Compressed Carbon Dioxide," Pharmaceutical Research, Vol. 12, No. 8, p. 1211-1217 (1995).	
	CI	TOM ET AL., "Formation of Bioerodible Polymeric Microspheres and Microparticles by Rapid Expansion of Supercritical Solutions," Biotechnol. Prog., Vol. 7, p. 403-411 (1991).	
	CJ	SANCHEZ ET AL., "Development of Biodegradable Microspheres and Nanospheres for the Controlled Release of Cyclosporin A," International J. of Pharmaceutics, Vol. 99, p. 263-273 (1993).	
	CK	JULIENNE ET AL., "Preparation of Poly (D, L-Lactide/Glycolide) Nanoparticles of Controlled Particle Size Distribution: Application of Experimental Designs," Drug Development and Industrial Pharmacy, Vol. 18, No. 10, p. 1063-1077 (1992).	
CL	PHILLIPS ET AL., "Rapid Expansion from Supercritical Solutions: Application to Pharmaceutical Processes," International J. of Pharmaceutics, Vol. 94, p. 1-10 (1993).		

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		Filing Date	02/27/2002
		First Named Inventor	P. York et al.
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JS	CM	CHANG ET AL., "Precipitation of Microsize Organic Particles from Supercritical Fluids," AIChE Journal, Vol. 35, No. 11, p. 1876-1882 (November 1989).	
JS	CN	MATSON ET AL., "Rapid Expansion of Supercritical Fluid Solutions: Solute Formation of Powders, Thin Films and Fibers." Ind. Eng. Chem Res., Vol. 26, p. 2298-2306 (1987).	
JS	CO	STENGERS ET AL., "Carbon Dioxide at its Critical State," Chemical & Engineering News, June 10, 1968.	

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